



# TANDBERG Profile 52"

The next generation team-collaboration video solution with 1080p HD resolution. The TANDBERG Profile brings colleagues face-to-face at the touch of a button through a user-friendly interface. Easily share presentations and multimedia to spark ideas and generate better discussions.



Side view

#### DESIGN FEATURES

- Exclusive Scandinavian design with a clean, sleek look from all angles
- Fully integrated system with 1080p widescreen LCD, PrecisionHD 1080p camera
- Ideal camera and display height for natural communication
- Use of recyclable aluminum materials to support our commitment to the environment

#### FLEXIBLE OPTIONS

Two display choices: single 52" LCD or dual 52" LCD.  
Three base options: Stand-alone option with foot attachment, wheel base for mobility or a wall-mount kit for a smaller footprint.

#### APPLICATION FEATURES

- 720p30 HD embedded MultiSite with Individual Transcoding
- Clear, smooth HD collaboration with UXGA\*\* and full 1080p HD with superior motion handling

#### PERFORMANCE FEATURES

- Choice of network up to 6 Mbps point-to-point (H.323/SIP)/up to 10 Mbps Multisite (H.323/SIP)
- Optimal definition — resolutions up to full 1080p and support 60 fps up to 720p
- 5x Video Inputs/Outputs
- 4x XLR audio input with individual echo canceller



Single 52" LCD



Dual 52" LCD

GET THE MOST FROM YOUR INVESTMENT. WITH **PROFESSIONAL SERVICES**, TANDBERG EXPERTS SUPPORT TANDBERG PROFILE DEPLOYMENT AND TRAINING. VISIT [WWW.TANDBERG.COM](http://WWW.TANDBERG.COM)

## UNIT DELIVERED COMPLETE WITH:

Full HD LCD display, Codec C60, remote control, PrecisionHD 1080p Camera, microphone (3x with single screen; 4x with dual screen), Digital Audio Module, integrated speakers and integrated cabling

## MONITOR

Available with:  
52" Full HD LCD, 16:9, 1080 x 1920 resolution  
Dual monitor option includes 52" Full HD LCD monitors

## BASE

Available with:  
Floor standing footplate  
Wheel base (not available on 52" dual)  
Wall mount on pedestal

## BANDWIDTH

H.323/SIP up to 6 Mbps point-to-point  
H.323/SIP up to 10 Mbps Multisite\*

## FIREWALL TRAVERSAL

TANDBERG Expressway™ Technology  
H.460.18, H.460.19 Firewall Traversal  
SIP ICE

## VIDEO STANDARDS

H.261, H.263, H.263+, H.264

## VIDEO FEATURES

Native 16:9 Widescreen  
Advanced Screen Layouts  
Intelligent Video Management  
Local Auto Layout

## VIDEO INPUT — LIVE VIDEO RESOLUTION

### VIDEO INPUT

#### 2X HDMI INPUTS, SUPPORTED FORMATS:

1920x1080@60, 59.94 Hz (1080p60)  
1920x1080@50 Hz (1080p50)  
1920x1080@30, 29.97 Hz (1080p30)  
1920x1080@25 Hz (1080p25)  
1920x1080@24, 23.97 Hz (1080p24)  
1280x720@60, 59.94 Hz (720p60)  
1280x720@50 Hz (720p50)  
720x480@60, 59.94 Hz (480p60)  
640x480@60 Hz (480p60)  
1600x1200@50, 60 Hz (UXGA)  
1280x1024@60, 75 Hz (SXGA)  
1024x768@60, 70, 75, 85 Hz (XGA)  
800x600@56, 60, 72, 75, 85 Hz (SVGA)  
1920x1200@50, 60 Hz (WUXGA)  
1680x1050@60 Hz (WSXGA+)  
1440x900@60 Hz (WXGA+)  
1280x768@60 Hz (WXGA)

#### 2X DVI-I INPUTS, SUPPORTED FORMATS:

Analog (VGA):  
1920x1080@60 Hz (1080p)  
1280x720@60 Hz (720p)  
1600x1200@60 Hz (UXGA)  
1280x1024@60, 75 Hz (SXGA)  
1280x960@60 Hz  
1024x768@60, 70, 75, 85 Hz (XGA)  
1920x1200@50 Hz (WUXGA)  
1680x1050@60 Hz (WSXGA+)  
1440x900@60 Hz (WXGA+)  
1280x800@60 Hz (WXGA)  
1280x768@60 Hz (WXGA)

#### Analog (YPbPr)

1920x1080@60 Hz (1080p60)  
1920x1080@50 Hz (1080p50)  
1920x1080@30 Hz (1080p30)  
1920x1080@25 Hz (1080p25)  
1280x720@60 Hz (720p60)  
1280x720@50 Hz (720p50)  
1280x720@30 Hz (720p30)  
720x576@50 Hz (576p50)  
720x480@60 Hz (w480p60)

#### Digital (DVI-D):

1920x1080@60, 59.94 Hz (1080p60)  
1920x1080@50 Hz (1080p50)  
1920x1080@30, 29.97 Hz (1080p30)  
1920x1080@25 Hz (1080p25)  
1920x1080@24, 23.97 Hz (1080p24)  
1280x720@60, 59.94 Hz (720p60)  
1280x720@50 Hz (720p50)  
720x480@60, 59.94 Hz (480p60)  
640x480@60 Hz (480p60)  
1600x1200@50, 60 Hz (UXGA)  
1280x1024@60, 75 Hz (SXGA)  
1024x768@60, 70, 75, 85 Hz (XGA)  
800x600@56, 60, 72, 75, 85 Hz (SVGA)  
1920x1200@50, 60 Hz (WUXGA)  
1680x1050@60 Hz (WSXGA+)  
1440x900@60 Hz (WXGA+)  
1280x768@60 Hz (WXGA)

## VIDEO OUTPUT

#### 1X HDMI OUTPUT, SUPPORTED FORMATS:

1920x1080@60 Hz (1080p60)  
1280x720@60 Hz (720p60)  
1600x1200@60 Hz (UXGA)  
1280x1024@60 Hz (SXGA)  
1024x768@60 Hz (XGA)  
800x600@60 Hz (SVGA)  
640x480@60 Hz (VGA)  
1920x1200@60 Hz (WUXGA)  
1366x768@60 Hz  
1360x768@60 Hz  
1280x768@60 Hz (WXGA)

#### 1X DVI-I OUTPUT, SUPPORTED FORMATS:

1920x1080@60 Hz (1080p60)  
1280x720@60 Hz (720p60)  
1600x1200@60 Hz (UXGA)  
1280x1024@60 Hz (SXGA)  
1024x768@60 Hz (XGA)  
800x600@60 Hz (SVGA)  
640x480@60 Hz (VGA)  
1920x1200@60 Hz (WUXGA)  
1366x768@60 Hz  
1360x768@60 Hz  
1280x768@60 Hz (WXGA)

#### 1X COMPOSITE OUTPUT (BNC CONNECTOR)

PAL/NTSC

## LIVE VIDEO RESOLUTIONS (ENCODE/DECODE)

176x144@30 Hz (QCIF)  
352x288@30 Hz (CIF)  
512x288@30 Hz (w288p)  
576x448@30 Hz (448p)  
768x448@30 Hz (w448p)  
704x576@30 Hz (4CIF)  
1024x576@30 Hz (w576p)  
640x480@30 Hz (VGA)  
800x600@30 Hz (SVGA)  
1024x768@30 Hz (XGA)  
1280x1024@30 Hz (SXGA)  
1280x720@30 Hz (720p30)  
1920x1080@30 Hz (1080p30)  
1280x768@30 Hz (WXGA)  
1440x900@30 Hz (WXGA+)  
1680x1050@30 Hz (WSXGA+)  
1600x1200@30 Hz (UXGA)  
512x288@60 Hz (w288p60)  
768x448@60 Hz (w448p60)  
1024x576@60 Hz (w576p60)  
1280x720@30, 60 fps (720p60)

## AUDIO STANDARDS

G.711, G.722, G.722.1, 64 bit & 128 bit MPEG4 AAC-LD, AAC-LD Stereo

## AUDIO FEATURES

CD-Quality 20KHz Mono and Stereo  
Four separate acoustic echo cancellers  
4-port Audio mixer  
Automatic Gain Control (AGC)  
Automatic Noise Reduction  
Active lip synchronization  
ALD (Assistive Listening Devices) support with acoustic echo cancellation

## AUDIO INPUTS (7 INPUTS)

4 x microphone, 48V phantom powered, XLR connector each with separate echo cancellers and noise reduction, all microphones can be set for balanced line level

2 x RCA/Phono, Line Level: Stereo PC input, configurable to 2 x RCA/Phono, Line Level: Mono auxiliary/DVD input  
1 x HDMI, digital: Stereo PC/DVD inputs

## AUDIO OUTPUTS (3 OUTPUTS)

2 x RCA/Phono, line level, stereo main audio, configurable to S/PDIF or 2 x RCA/Phono, line level, mono to recording device  
1 x HDMI, digital, stereo main audio

## DUAL STREAM

H.239 (H.323) dual stream  
BFCP (SIP) dual stream  
Support for resolutions up to 1080p30 in both main stream and dual stream simultaneously

## MULTISITE FEATURES

4-way 720p30 High Definition SIP/H.323 MultiSite  
Full individual audio and video transcoding  
Individual layouts in MultiSite CP (Takes out SelfView)  
H.323/SIP/VoIP in the same conference  
Best Impression (Automatic CP Layouts)  
H.264, Encryption, Dual Stream from any site  
IP Downspeeding  
Dial-in/Dial-out  
Conference rates up to 10 Mbps

## PROTOCOLS

H.323  
SIP

## EMBEDDED ENCRYPTION

H.323/SIP point-to-point  
Standards-based: H.235 v2 & v3 and AES  
Automatic key generation and exchange  
Supported in Dual Stream

## IP NETWORK FEATURES

DNS lookup for service configuration  
Differentiated Services (QoS)  
IP adaptive bandwidth management (including flow control)  
Auto gatekeeper discovery  
Dynamic payout and lip-sync buffering  
H.245 DTMF tones in H.323  
Date and Time support via NTP  
Packet Loss based Downspeeding  
URI Dialing  
TCP/IP  
DHCP  
Direct DNS dialing

## SECURITY FEATURES

Management via HTTPS and SSH  
IP Administration Password  
Menu Administration Password  
Disable IP services  
Network Settings protection

## NETWORK INTERFACES

1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit

## OTHER INTERFACES

USB host for future usage  
USB device for future usage  
GPIO\*

## PRECISIONHD 1080P CAMERA

1/3" CMOS  
1.2 x zoom  
+15°/25° tilt, +/- 90° pan  
43.5° vertical field of view  
72° horizontal field of view  
Focus distance 0.3m-infinity  
1920 x 1080 pixels progressive @ 60fps  
Other formats supported (configurable through Dip-switch):  
1920x1080@60fps (HDMI only)  
1920x1080@50fps (HDMI only)  
1920x1080@30fps  
1920x1080@25fps  
1280x720@60fps  
1280x720@50fps  
1280x720@30fps  
1280x720@25fps  
Automatic or manual focus/brightness/whitebalance  
Far-end camera control  
Daisy-chain support (Visca protocol camera)  
Dual HDMI and HD-SDI output  
Upside-down mounting with automatic flipping of picture

## SYSTEM MANAGEMENT

Support for the TANDBERG Management Suite  
Total management via embedded SNMP, Telnet, SSH, XML, SOAP  
Remote software upload: via web server, SCP, HTTP, HTTPS  
1 x RS-232 for local control and diagnostics  
Remote control and on-screen menu system

## DIRECTORY SERVICES

Support for Local Directories (My Contacts)  
Corporate Directory  
Unlimited entries using Server directory supporting LDAP and H.350  
Unlimited number for Corporate directory (through TMS)  
200 number local directory  
Directories in Local Languages  
Received Calls with Date and Time  
Placed Calls with Date and Time  
Missed Calls with Date and Time

## POWER

Auto-sensing power supply  
100–120/200–240 VAC, 60/50 Hz, 6A max  
175 watts max. for codec and main camera

## OPERATING TEMPERATURE AND HUMIDITY

0° C to 35° C (32° F to 95° F) ambient temperature  
10% to 90% Relative Humidity (RH)

## STORAGE AND TRANSPORT TEMPERATURE

-20° C to 60° C (-4° F to 140° F) at RH 10–90% (non-condensing)

## APPROVALS

Directive 73/23/EEC (Low-Voltage Directive)  
– Standard EN 60950  
Directive 89/336/EEC (EMC Directive)  
– Standard EN 55022, Class A  
– Standard EN 55024  
– Standard EN 61000-3-2/-3-3  
Approved according to UL 60950 and CAN/CSA C22.2 No. 60950  
Complies with FCC15B Class B

## DIMENSIONS

Profile 52"  
Height: 63.78" / 162 cm  
Width: 47.25" / 120 cm  
Depth: 6.7" / 17 cm  
Weight: 253.5 lbs / 115 kg

Profile 52" Dual

Height: 63.78" / 162 cm  
Width: 94.5" / 240 cm  
Depth: 6.7" / 17 cm  
Weight: 507 lbs / 240 kg

\* not supported in version 1.

\*\* requires option.

\*\*\* only one LAN/Ethernet interface supported in Version 1.

All specifications subject to change without notice, system specifics may vary.

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MTBF PRODUCT RELIABILITY/MTBF The predicted reliability

is expressed in the expected random Mean Time Between

Failures (MTBF) for the electronic components based on the

Power On Hours:

Power On Hours (POH) > 69,000 hours

Useful Life Cycle > 6 years

ISO 9001 Certificate is available upon request

## TANDBERG

# Profile 52"

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